

Project Summary

Title: “Biodiesel Production and its Added-Value Products for Small Farms”

Conducted by: Alabama A&M University – Dr. Ernest Cebert, Dr. Rufina Ward, Dr. Josh Herring, and Dr. Gamal Adrahim

Alabama A&M will establish an outreach program to demonstrate and educate farmers about the feasibility and economic benefits of growing canola for small scale biodiesel production and additional value-added products for agricultural operations. 5-10 acres of winter canola will be grown in five locations across the state (Limestone, Madison, Marshall, Lee, and Baldwin Counties). Each location will be used as a demonstration site to educate area farmers on production practices for winter canola. The canola will be harvested and oil will be extracted from the seeds and converted to biodiesel on-site at each location. A variety of pelletized food products will be formulated and produced from the canola meal for fish farming, poultry and small ruminant production, and fertilizer / soil amendments for organic crop production. The canola meal will also be used in combination with other plentiful resources such as saw dust and poultry litter to formulate solid fuel pellets with high Btu capacity for potential combined heat and power use.